



Front End Technologies Week 12 Coding Assignment

Points possible: 70

Category	Criteria	% of Grade
Functionality	Does the code work?	25
Organization	Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear.	25
Creativity	Student solved the problems presented in the assignment using creativity and out of the box thinking.	25
Completeness	All requirements of the assignment are complete.	25

Instructions: In VS Code, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) and paste them in this document where instructed below. Create a new repository on GitHub for this week's assignments and push this document, with your JavaScript project code, to the repository. Add the URL for this week's repository to this document where instructed and submit this document to your instructor when complete.

Coding Steps:

1. Create a full CRUD application of your choice. If you can use an existing API, use AJAX to interact with it. However, you do not have to use an API. If you do not use an API, store the entities you will create, read, update, and delete in an array.
 - a. Application should have at least 1 entity per team member
 - b. Use a form to add new entities
 - c. Build a way for users to update or delete entities



d. Use Bootstrap and CSS to style your project

Screenshots of Code:

```

1 const reservation = [];
2
3 // Create Reservation //
4
5 function saveReservation() {
6   let firstName = document.getElementById("first-name-form").value;
7   let lastName = document.getElementById("last-name-form").value;
8   let phoneNumber = document.getElementById("phone-number-form").value;
9   let numberOfParty = document.getElementById("party-number-form").value;
10  let date = document.getElementById("date-form").value;
11  let time = document.getElementById("time-form").value;
12  let newObject = {firstName, lastName, phoneNumber, numberOfParty, date, time};
13  reservation.push(newObject);
14
15  const markup = `
16    <tr>
17      <td>${firstName}</td>
18      <td>${lastName}</td>
19      <td>${numberOfParty}</td>
20      <td>${phoneNumber}</td>
21      <td>${date}</td>
22      <td>${time}</td>
23      <td class="text-end">
24        <button class="btn btn-primary btn-sm" data-bs-toggle="modal" data-bs-target="#openModal" >Edit</button>
25      </td>
26      <td class="text-end">
27        <button class="btn btn-danger btn-sm" onclick="deleteRow(this)" value="Delete">Delete</button>
28      </td>
29    </tr>
30  `;
31  const tableBody = $("table tbody");
32  tableBody.append(markup);
33 }
34
35 // Delete Reservation //
36
37 function deleteRow(r) {
38   var i = r.parentNode.parentNode.rowIndex;
39   document.getElementById("myTable").deleteRow(i);
40 }
41
42 function clearForm() {
43   document.getElementById("first-name-form").value = '';
44   document.getElementById("last-name-form").value = '';
45   document.getElementById("phone-number-form").value = '';
46   document.getElementById("party-number-form").value = '';
47   document.getElementById("date-form").value = '';
48   document.getElementById("time-form").value = '';
49 }
50
51 function saveChanges() {
52
53   let edit1 = document.getElementById("first-name-form").value;
54   console.log(edit1);
55   let edit2 = document.getElementById("last-name-form").value;
56   let edit3 = document.getElementById("phone-number-form").value;
57   let edit4 = document.getElementById("party-number-form").value;
58   let edit5 = document.getElementById("date-form").value;
59   let edit6 = document.getElementById("time-form").value;
60
61   const markup1 = `
62     <tr>
63       <td>${edit1}</td>
64       <td>${edit2}</td>
65       <td>${edit3}</td>
66       <td>${edit4}</td>
67       <td>${edit5}</td>
68       <td>${edit6}</td>
69       <td class="text-end">
70         <button class="btn btn-primary btn-sm" data-bs-toggle="modal" data-bs-target="#openModal" >Edit</button>
71       </td>
72       <td class="text-end">
73         <button class="btn btn-danger btn-sm" onclick="deleteRow(this)" value="Delete">Delete</button>
74       </td>
75     </tr>
76   `;
77   const tableBody1 = $("table tbody");
78   tableBody1.empty().append(markup1);
79 }

```



PROMINEO TECH

```
85     <div class="mb-3">
86       <label for="date-form" class="form-label">Date:</label>
87       <input type="text" class="form-control" id="date-form" placeholder="Ex: 8/11/22" />
88     </div>
89     <div class="mb-3">
90       <label for="time-form" class="form-label">Time:</label>
91       <input type="text" class="form-control" id="time-form" placeholder="Ex: 6:00PM" />
92     </div>
93   </form>
94 </div>
95 <div class="modal-footer">
96   <button type="button" class="btn btn-primary btn-sm" onclick="saveReservation()"
97     data-bs-dismiss="modal">Add
98     Reservation</button>
99   <button type="button" class="btn btn-success btn-sm" onclick="saveChanges()"
100     data-bs-dismiss="modal">Save
101     Changes</button>
102   <button type="button" class="btn btn-warning btn-sm" onclick="clearForm()">Clear
103     Field</button>
104   <button type="button" class="btn btn-secondary btn-sm" data-bs-dismiss="modal">Close</button>
105 </div>
106 </div>
107 </div>
108 </div>
109 </div>
110 <!-- Optional JavaScript -->
111 <!-- jQuery first, then Popper.js, then Bootstrap JS -->
112 <script src="node_modules/jquery/dist/jquery.js"></script>
113 <script src="node_modules/bootstrap/dist/js/bootstrap.bundle.js"></script>
114 <script src="script.js"></script>
115 </body>
116
117 </html>
```

Screenshots of Running Application:

Make Reservation

Confirm Reservation

Saved Reservations

First Name	Last Name	Number of Party	Phone Number	Date	Time
------------	-----------	-----------------	--------------	------	------

Your Reservation

First Name:

First Name

Last Name:

Last Name

Phone Number:

Phone Number

Number of Party:

Number of Party

Date:

Ex: 8/11/22

Time:

Ex: 6:00PM

Add Reservation

Save Changes

Clear Field

Close



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Make Reservation

Confirm Reservation

Saved Reservations

First Name	Last Name	Number of Party	Phone Number	Date	Time		
Kyoshiro	Azumaya	2	2246168454	8/11/22	6:00PM	Edit	Delete
David	Azumaya	2	2246168454	8/11/22	6:00PM	Edit	Delete

URL to GitHub Repository:

<https://github.com/KyoAzumaya/reservation-assignment-final.git>